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APPROVED	FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

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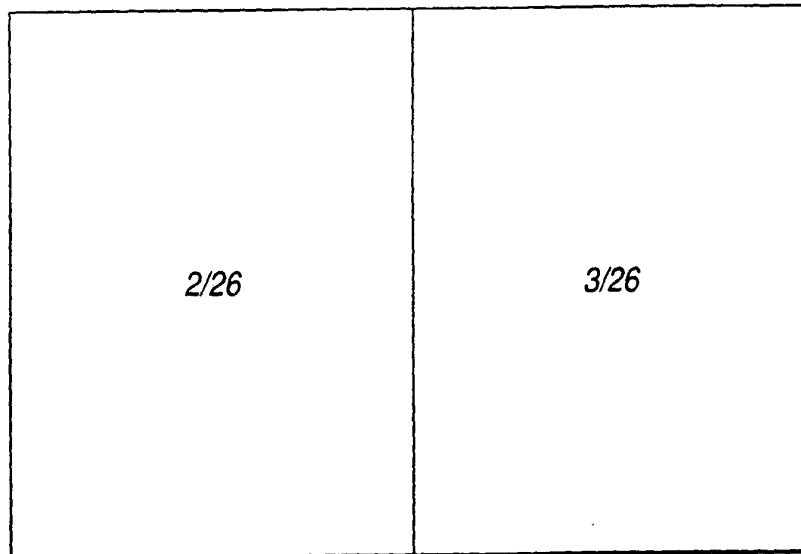


Fig. 1

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APPROVED FOR FIG.	BY	CLASS	SUBCLASS
DRAFTSMAN			

00000-2255700

	A	S1
Bclw	MATPASTPDT	RALVADFVGY
Bclw-Rox	MATPASTPDT	RALVADFVGY
Bclw	DEFETRFRRT	FSDLAAQLHV
Bclw-Rox	DEFETRFRRT	FSDLAAQLHV
Bclw	VFGAALCAES	VNKEMEPLVG
Bclw-Rox	VFGAALCAES	VNKEMEPLVG
Bclw	YGDGALEEAR	RLREGNWASV
Bclw-Rox	ARVREMEEEA	EKLKELQNEV
Bclw-Rox	IYVGNVDYGA	TAELEAHFH
Bclw-Rox	ESVRTSLALD	ESLFRGRQIK
Bclw-Rox	NSSRSRFYSG	FNSRPRGRIY

Fig. 1 (i)

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APPROVED	P.O. FIG.
BY	DESIGN SUBJECT CLASS
DRAFTSMAN	

[illegible]

KLRQKGYVCG AGPGEGPAAD PLHQAMRAAG 50

KLROKGYVCG AGPGEGPAAD PLHQAMRAAG 50

S2

TPGSAOORFT QVSDSELFQGG PNWGRLVAFF 100

TPGSAOQRF T QVSDLEFQGG PNWGRLVAFF 100

E

S3

OVQDWMVAYL ETRLADWIHS SGGWAEFTAL 150

OVODWMVAYL ETRLADWIHS SGGWELEAIK 150

RTVLTGAVAL GALVTVGAFF ASK* 193

EKOMNMSPPP GNAGPVIMSL EEKMEADARS 200

GCGSVNRVTI LCDKFSGHPK GFAYIEFSDK 250

VIPKRTNRPG ISTTDRGFPR SRYRARTTNY 300

RGRARATSWY SPY* 333

Fig. 1 (ii)

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APPROVED	C.A. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

66220 2255760

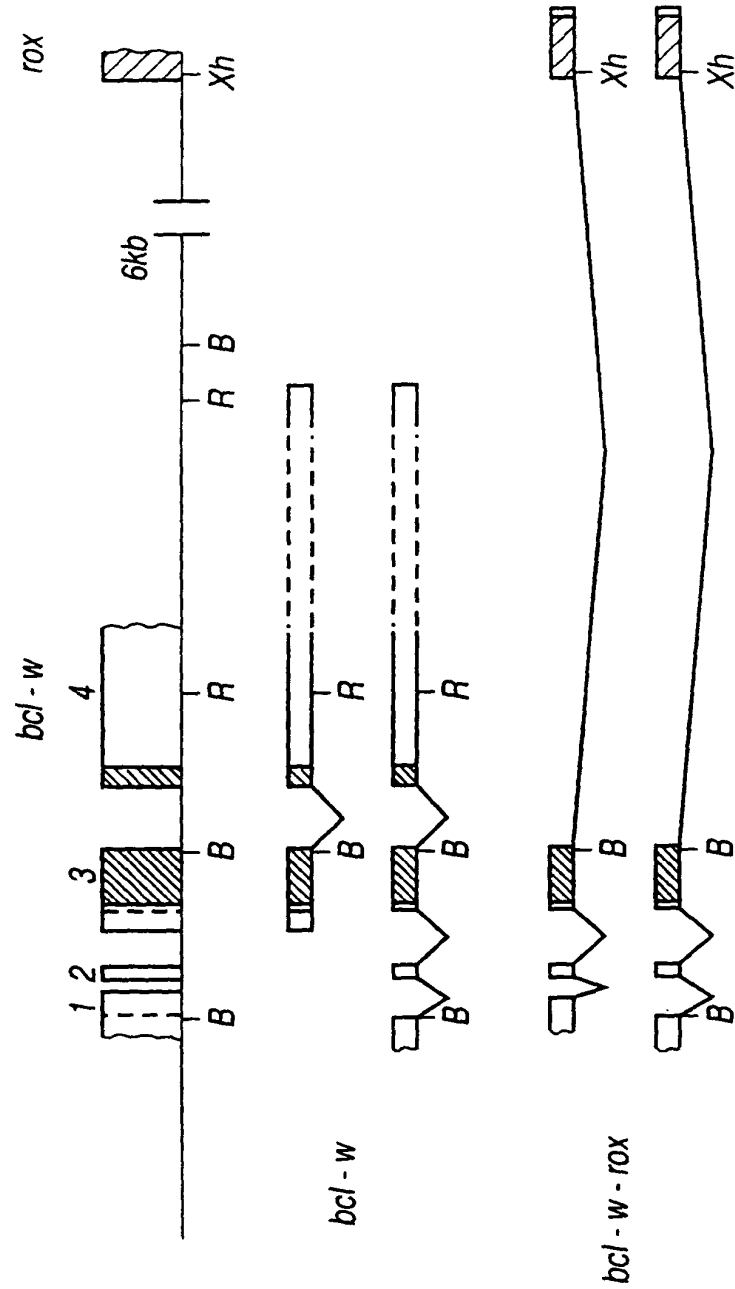
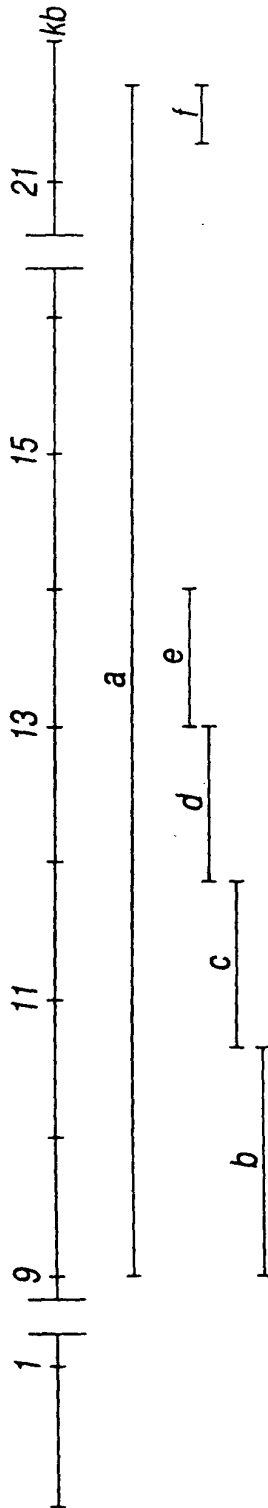


Fig. 2

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APPROVED	FIG.
BY	CLASS
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66620-2255100

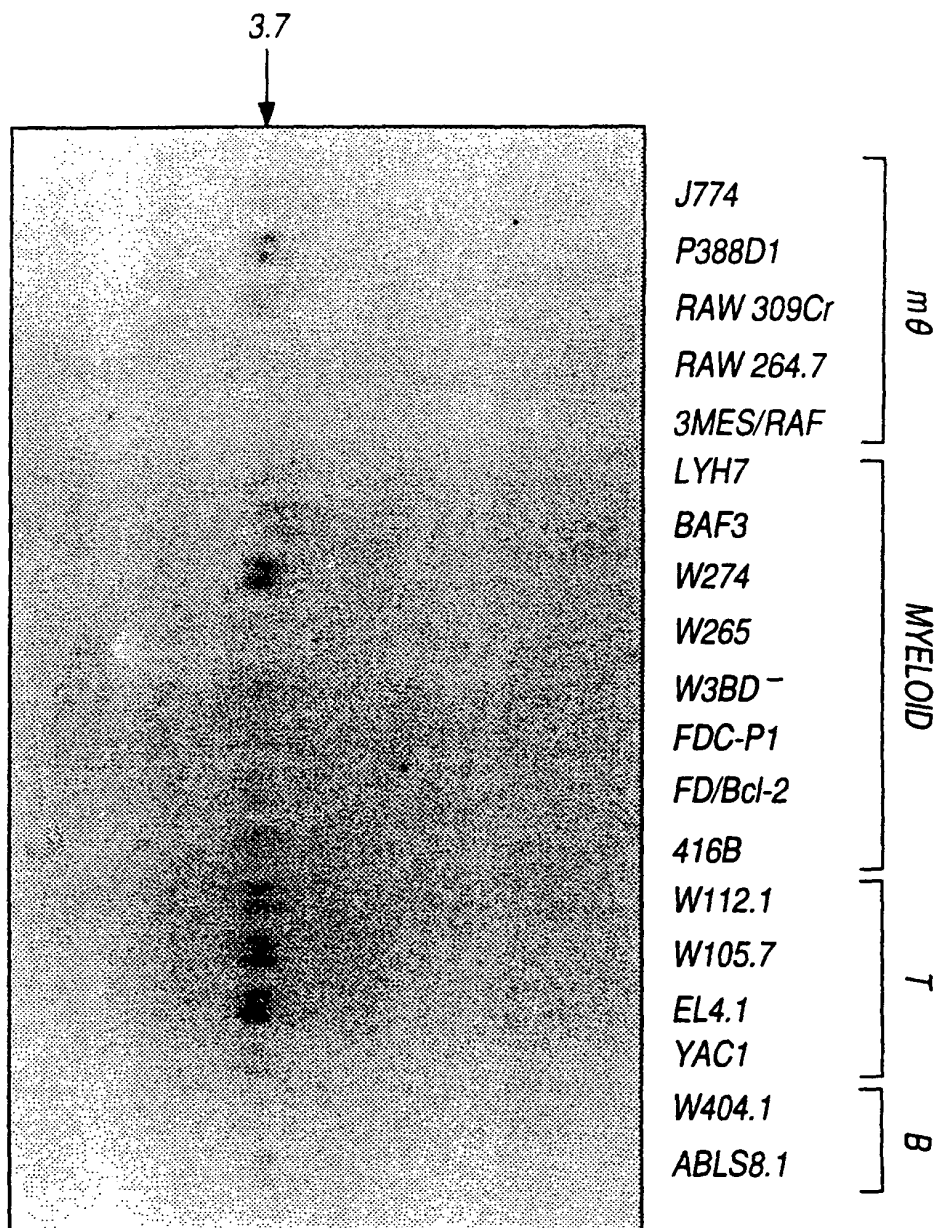


Fig. 3

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APPROVED	FIG.
BY	SUBCLASS
DRAFTSMAN	

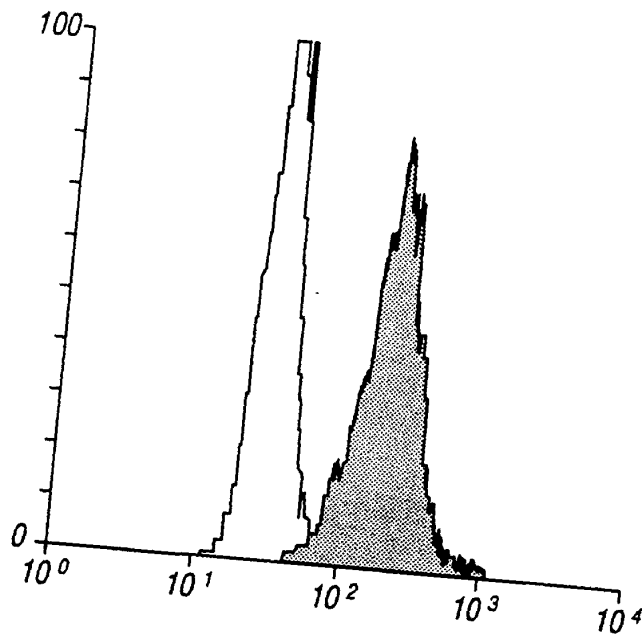


Fig. 4A

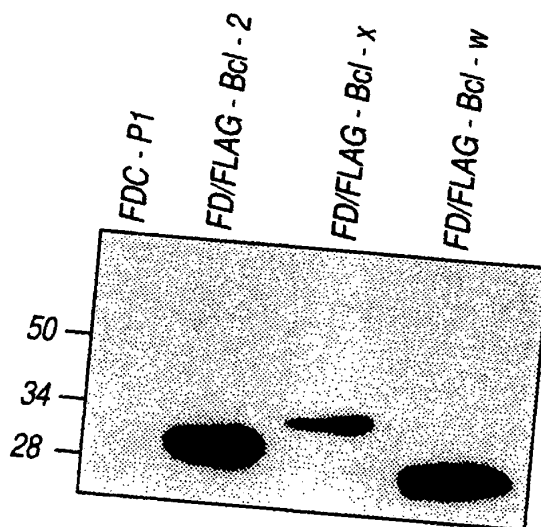


Fig. 4B



Fig. 4C

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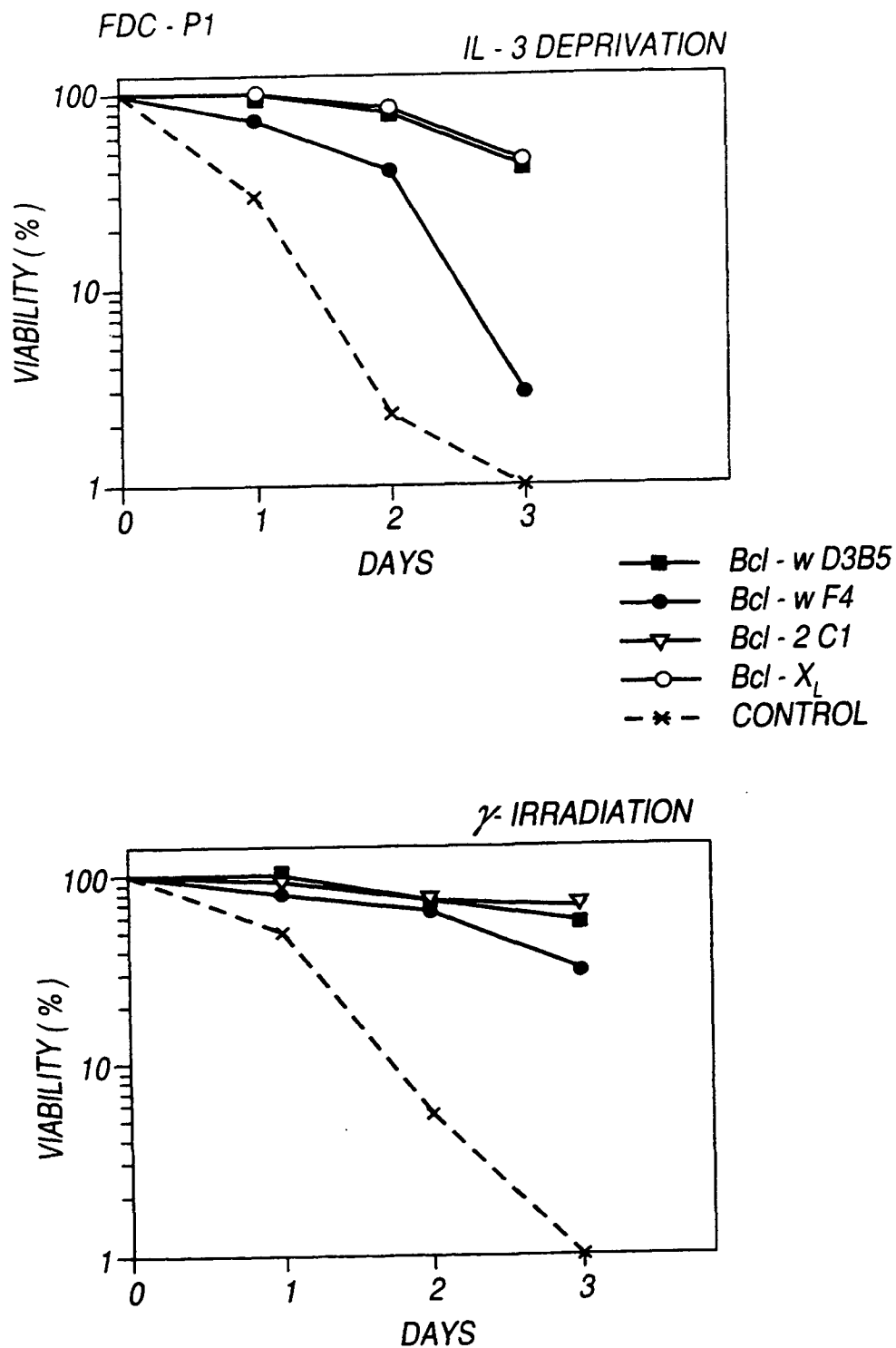


Fig. 5A

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APPROVED	FIG.
BY	CLASS (SUB)CLASS
DRAFTSMAN	

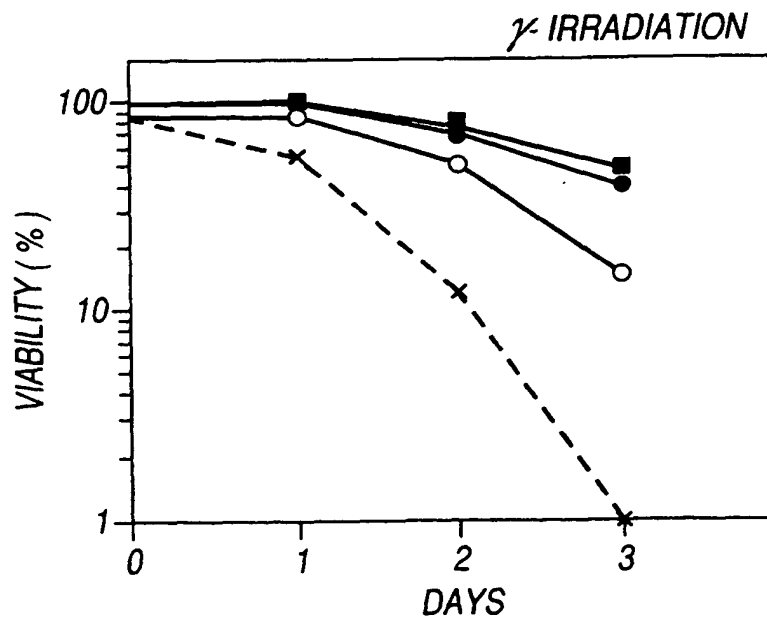
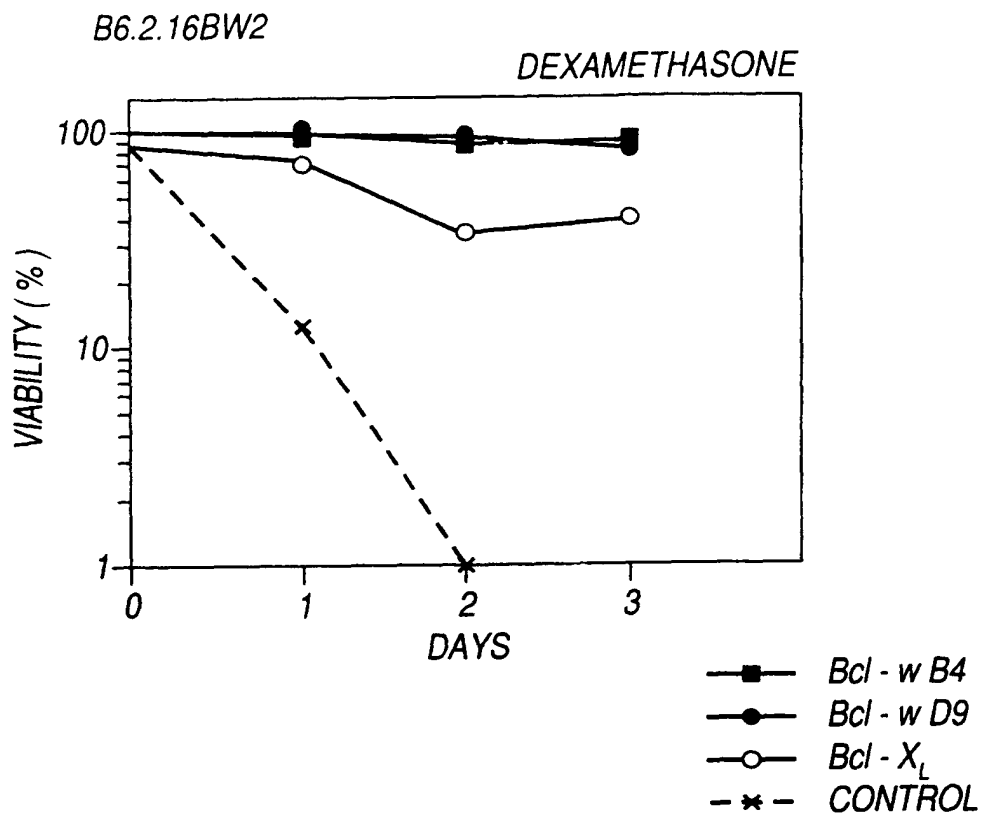


Fig. 5B

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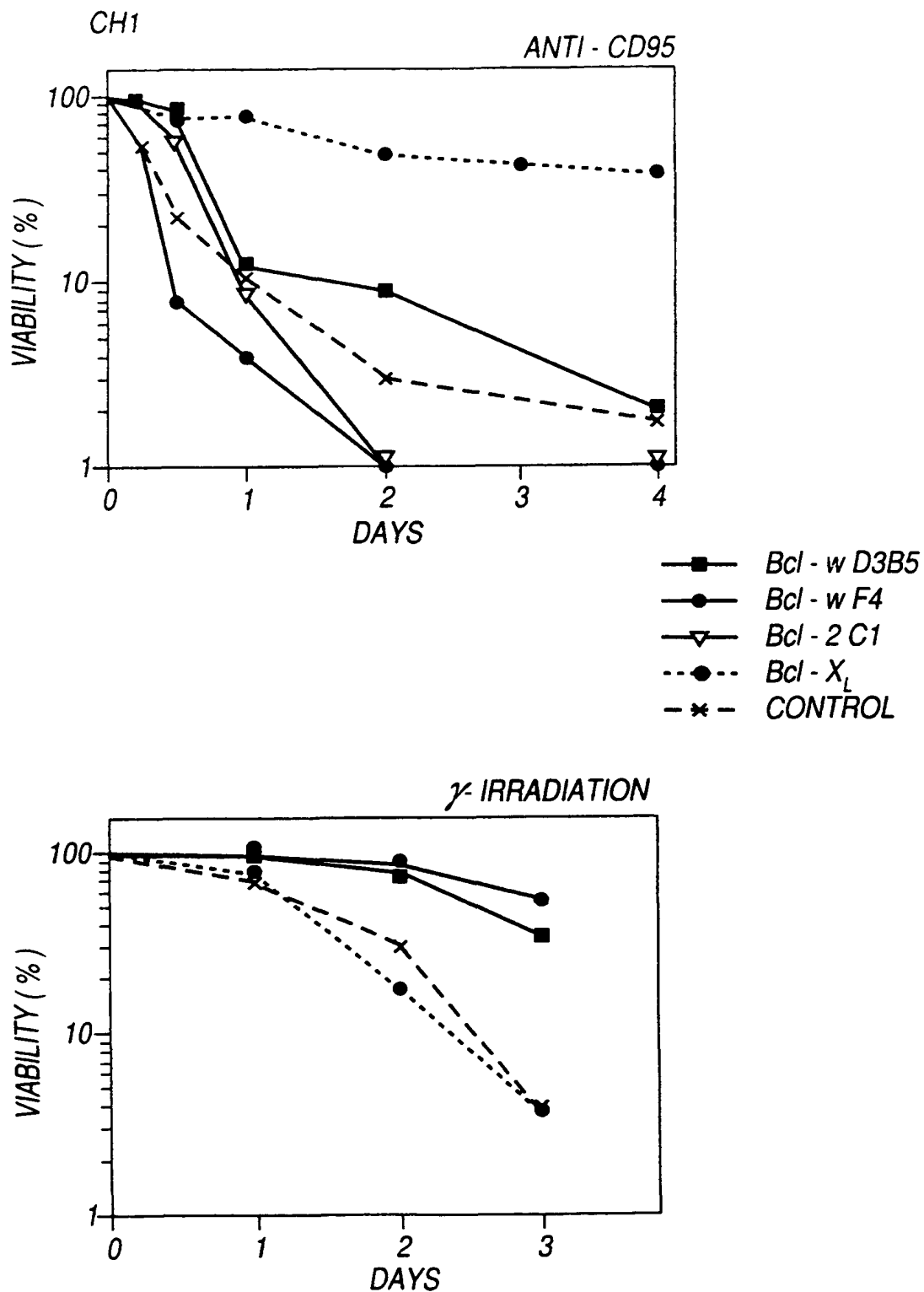
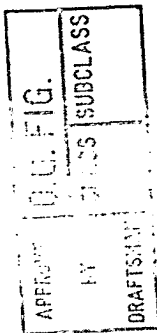


Fig. 5C

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<i>Sftp1</i>									
<i>Tcra</i>									
<i>Bclw</i>									
<i>Gja3</i>									
	59	62	3	8	0	1	1	0	

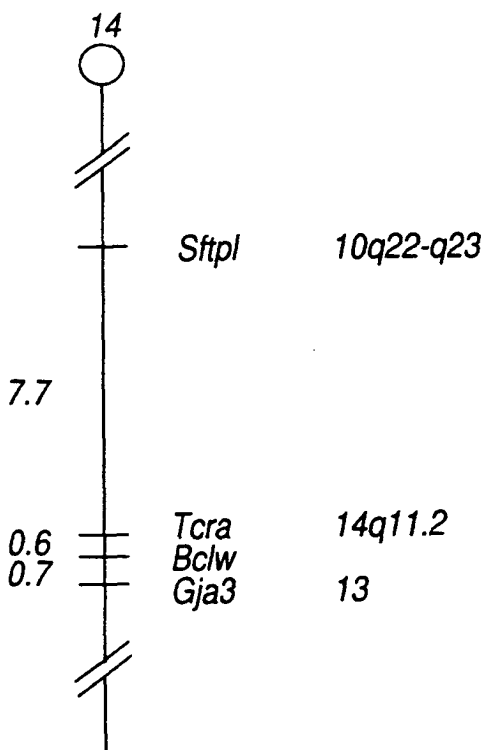


Fig. 6

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APPROVED	U.S. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

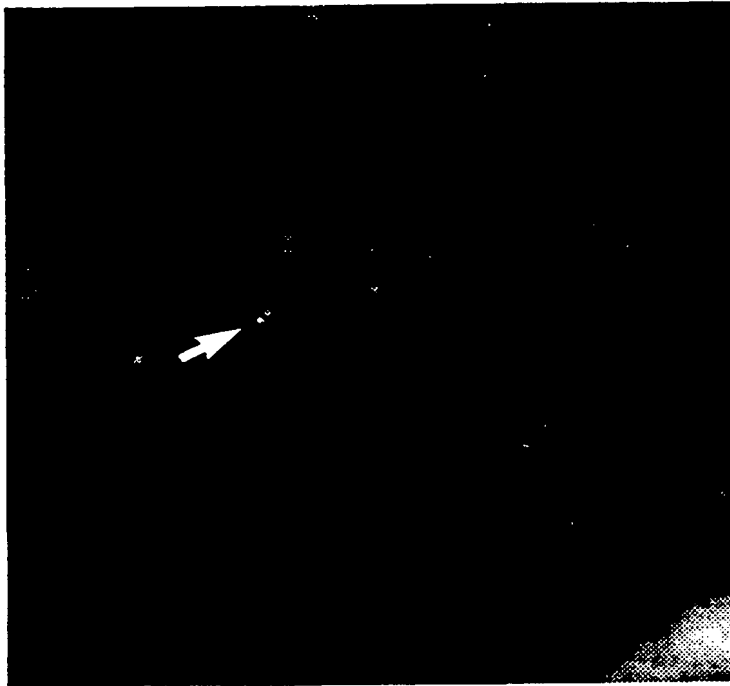


Fig. 7A



Fig. 7B

66660-2255100

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FIG.	12/26
SUBCLASS	
DRAFTSMAN	

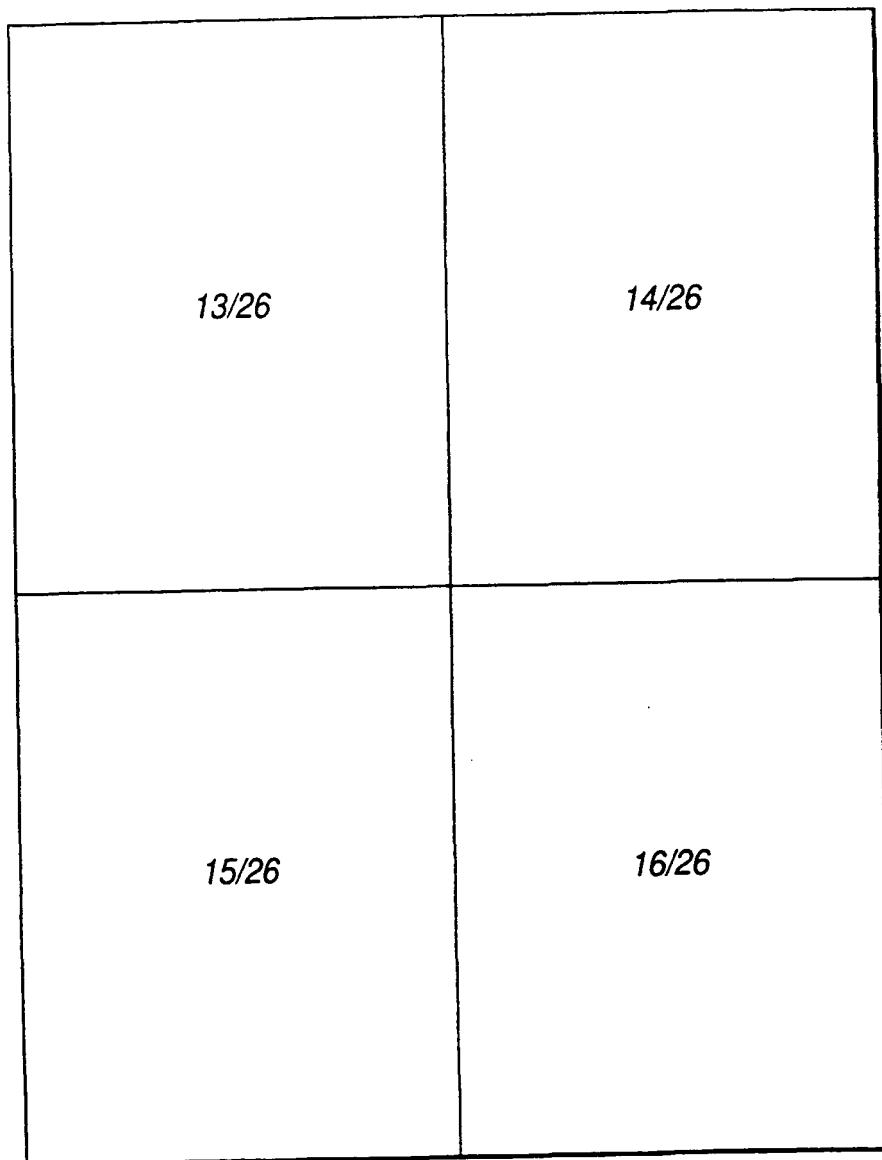


Fig. 8

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S1

FIG.	CLASS	SUBCLASS
APPROVED	EV	DRAFTSMAN

Bc12	MAHAGRTGYD	NREIVMKYIH	YKLSQRGYEW
Bc1x _L	.....MSQS	NRELVVDFLS	YKLSQKGYSW
Bc1w	.MATPASAPD	TRALVADFGV	YKLRQKGYVC
Ced9	D	IEGFVVDYFT	HRIRQNGMEW

Bak

MASG

Bax

Bc12	ASRDPVARTS	PLQTPAAPGA	AAGPAL....
Bc1x _L	PSWH.LADSP	AVNGATGHSS	SLDARE....
Bc1w	.....	.....	.....
Ced9			

Bak	FRSYVFYRHQ	QEQAEGVAA	PADPEMVTLP
Bax	....ALLQG	FIQDRAGRMG	GEAPELALDP
Bik			

S2

Bc12	MSROLHLTP	FTARGRFATV	VEELERDGV
Bc1x _L	LTSQLHITP	GTAYQSFEEQV	VNELERDGV
Bc1w	LAAQLHVTP	GSAQQRFETQV	SDELEQGG.P
CED9	FCEQLLAVP	RISFSLYQDV	VRTVGNAQTD

Fig. 8 (i)

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APPROVED	U.S. FIG.
BY	CLASS/SUBCLASS
DRAFTSMAN	

DAGDVGAAPP	GAAPAPGIFS	SQPGHTPHTA	60
SQFSDVEENR	TEAPEGTESE	METPSAINGN	54
GAGPGE			35
			99

QGP G PPR Q EC	GEPALPSASE	EQVAQDTEEV	34
MDGS G E Q PR	GGGPTSSE Q I	MKTG	23

BH3

NH1

...SPVPPVV	HLTLRQAGDDFSRRYRRDFAE	113
...VIPMAAV	KQALREAGDEFELRYRRAFSD	107
...GPAADPL	HQAMRAAGDEFETRFRRTFSD	63
	HEMMRVMGTIFEKKHAENFET	132

* *

LQPSSTMGQV	GRQLAIIGDDINRRYDSEFOT	95
VPQDASTKKL	SECLKRIGDELDS . . NMELQR	78
	LACIGDEMD	

△

△

BH1

...NWGRIV	AFF [*] EFGG . . V	MCVESVNRE	165
...NWGRIV	AFFSFGG . . A	LCVESVDKE	158
...NWGRIV	AF ^{▼▼▼} EVFGA . . A	LCAESVNKE	114
QCPMSYGRLI	GLISFGGFVA	AKMMESV . . E	190

Fig. 8 (ii)

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APPROVED	FIG.
BY	SUBCLASS
DRAFTSMAN	

Bak	MLQHLPQPTA	ENAYEYFTKI	ATSLFESG. I
Bax	MIAAVD..T	DSPREVFFRV	AADMFS DGNF
		△	△

S3

Bc12	MSPLVDNIAL	WMTEYLNRH.	LHTWIQDNGG
Bc1x _L	MQVLVSRIAA	WMATYLNDH.	LEPWIQENG
Bc1w	MEPLVGQVQE	WMVAYLETR.	LADWELHSSGG
Ced9	LOGQVRNLFV	YTSLFIKTRI	RNNWKEHNRS

Bak	LTGFLGQVTR	FVVDFMLHHC	IARWIAQRGG
Bax	VPFLRTIMG	WTLDFLRERL	LG.WIQDQGG
		△	

Bc12	DFSWLSLKT	LSLAL.VGAC	ITLGAYLGHK
Bc1x _L	RKGQERFN	FLTGMTVAGV	VLLGSLFSRK
Bc1w	EGNWASVRT	LTGAVALGAL	VTVGAF FASK

BakGP	ILNVLVVLGV	VLLGQFVVR
BaxTPT	WQTVTIFVAG	VLTASLTIWK

Fig. 8 (iii)

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APPROVED FOR FIG.	BY	CLASS	SUBCLASS
DRAFTSMAN			

....NWGRVV	ALLGFGY	..R	.LALHVVQHG	146
....NWGRVV	ALFYFAS	..K	.LVLKALCTK	128

BH2

WDAFVELYG.	....PSMRPLF	210
WDTFVELYG.	....NNAAAES	203
WAEETALYGD	GALEEARRLR	163
WDDFMTL.G.		218

WVAALNLGN.	185
WDGLLSYFG.	166

239

233

193

FFKS

211

KMG

192

Fig. 8 (iv)

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APPROVED	FIG.
BY	SUBCLASS
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Fig. 9A

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APPROVED	FIG.
BY	CLASS
DRAFTSMAN	

ATG	GCG	ACC	CCA	GCC	TCG	GCC	CCA	GAC
Met	Ala	Thr	Pro	Ala	Ser	Ala	Pro	Asp
1				5				

TTT	GTA	GGT	TAT	AAG	CTG	AGG	CAG	AAG
Phe	Val	Gly	Tyr	Lys	Leu	Arg	Gln	Lys
			20					25

CCC	GGG	GAG	GGC	CCA	GCA	GCT	GAC	CCG
Pro	Gly	Glu	Gly	Pro	Ala	Ala	Asp	Pro
		35					40	

GCT	GGA	GAT	GAG	TTC	GAG	ACC	CGC	TTC
Ala	Gly	Asp	Glu	Phe	Glu	Thr	Arg	Phe
	50					55		

GCG	GCT	CAG	CTG	CAT	GTG	ACC	CCA	GGC
Ala	Ala	Gln	Leu	His	Val	Thr	Pro	Gly
65					70			

CAG	GTC	TCC	GAC	GAA	CTT	TTT	CAA	GGG
Gln	Val	Ser	Asp	Glu	Leu	Phe	Gln	Gly
				85				

GTA	GCC	TTC	TTT	CTC	TTT	GGG	GCT	GCA
Val	Ala	Phe	Phe	Leu	Phe	Gly	Ala	Ala
			100					105

Fig. 9A (i)

SUBSTITUTE SHEET (RULE 26)

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APPROV.	FIG.	SUBCLASS
BY		
DRAFTSMAN		

ACA	CGG	GCT	CTG	GTG	GCA	GAC	48
Thr	Arg	Ala	Leu	Val	Ala	Asp	
10					15		

GGT	TAT	GTC	TGT	GGA	GCT	GGC	96
Gly	Tyr	Val	Cys	Gly	Ala	Gly	
			30				

CTG	CAC	CAA	GCC	ATG	CGG	GCA	144
Leu	His	Gln	Ala	Met	Arg	Ala	
			45				

CGG	CGC	ACC	TTC	TCT	GAT	CTG	192
Arg	Arg	Thr	Phe	Ser	Asp	Leu	
		60					

TCA	GCC	CAG	CAA	CGC	TTC	ACC	240
Ser	Ala	Gln	Gln	Arg	Phe	Thr	
	75					80	

GGC	CCC	AAC	TGG	GGC	CGC	CTT	288
Gly	Pro	Asn	Trp	Gly	Arg	Leu	
90					95		

CTG	TGT	GCT	GAG	AGT	GTA	AAC	336
Leu	Cys	Ala	Glu	Ser	Val	Asn	
			110				

Fig. 9A (ii)
SUBSTITUTE SHEET (RULE 26)

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APPROVE	0.6.FIG.
BY	CLASS
DRAFTSMAN	SURCLASS

600000 2255100

AAG	GAG	ATG	GAA	CCA	CTG	GTG	GGA	CAA
Lys	Glu	Met	Glu	Pro	Leu	Val	Gly	Gln
		115					120	
TAC	CTG	GAG	ACG	CGG	CTG	GTC	GAC	TGG
Tyr	Leu	Glu	Thr	Arg	Leu	Val	Asp	Trp
	130					135		
GCG	GAG	TTC	ACA	GCT	CTA	TAC	GGG	GAC
Ala	Glu	Phe	Thr	Ala	Leu	Tyr	Gly	Asp
145					150			
CGT	CTG	CGG	GAG	GGG	AAC	TGG	GCA	TCA
Arg	Leu	Arg	Glu	Gly	Asn	Trp	Ala	Ser
				165				
GCC	GTG	GCA	CTG	GGG	GCC	CTG	GTA	ACT
Ala	Val	Ala	Leu	Gly	Ala	Leu	Val	Thr
			180					185
AAG	TGA	A						
Lys	*							

Fig. 9A (iii)

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APPROVED FOR FIG.	BY	DATE	SUBCLASS
DRAFTS/ISSUE			

GTG	CAG	GAG	TGG	ATG	GTG	GCC	384
Val	Gln	Glu	Trp	Met	Val	Ala	
							125

ATC	CAC	AGC	AGT	GGG	GGC	TGG	432
Ile	His	Ser	Ser	Gly	Gly	Trp	
							140

GGG	GCC	CTG	GAG	GAG	GCG	CGG	480
Gly	Ala	Leu	Glu	Glu	Ala	Arg	
						155	160

GTG	AGG	ACA	GTG	CTG	ACG	GGG	528
Val	Arg	Thr	Val	Leu	Thr	Gly	
					170	175	

GTA	GGG	GCC	TTT	TTT	GCT	AGC	576
Val	Gly	Ala	Phe	Phe	Ala	Ser	
							190

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Fig. 9A (iv)

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APPROVED	BY	CLASS	SUBCLASS
FIG.			

DRAFTSMAN

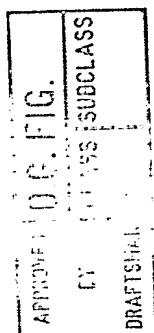
Variable	Mean	Standard Deviation	Minimum	Maximum
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.3	0.5	0	1
Education	12.5	1.5	10	16
Income	35000	15000	15000	70000
Health	0.5	0.5	0	1
Smoking	0.2	0.4	0	1
Exercise	0.3	0.5	0	1
Stress	0.4	0.5	0	1
Depression	0.2	0.4	0	1
Loneliness	0.3	0.5	0	1
Life Satisfaction	0.6	0.4	0	1
Quality of Life	0.7	0.3	0	1
Overall Health	0.5	0.5	0	1

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Fig. 9B

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ATG	CCG	ACC	CCA	GCC	TCA	ACC	CCA	GAC
Met	Pro	Thr	Pro	Ala	Ser	Thr	Pro	Asp
1				5				

TTT	GTA	GGC	TAT	AGG	CTG	AGG	CAG	AAG
Phe	Val	Gly	Tyr	Arg	Leu	Arg	Gln	Lys
			20					25

CCT	GGG	GAA	GGC	CCA	GCC	GCC	GAC	CCG
Pro	Gly	Glu	Gly	Pro	Ala	Ala	Asp	Pro
		35					40	

GCT	GGA	GAC	GAG	TTT	GAG	ACC	CGT	TTC
Ala	Gly	Asp	Glu	Phe	Glu	Thr	Arg	Phe
	50					55		

GCC	GCT	CAG	CTG	CAC	GTG	ACC	CCA	GGC
Ala	Ala	Gln	Leu	His	Val	Thr	Pro	Gly
65					70			

CAG	GTT	TCC	GAC	GAA	CTT	TTC	CAA	GGG
Gln	Val	Ser	Asp	Glu	Leu	Phe	Gln	Gly
				85				

GTG	GCA	TTC	TTT	GTC	TTT	GGG	GCT	GCC
Val	Ala	Phe	Phe	Val	Phe	Gly	Ala	Ala
			100					105

Fig. 9B (i)

SUBSTITUTE SHEET (RULE 26)

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APPROV	D.C. FIG.
ET	IN SUBCLASS
DRAFTSMAN	

ACA	CGC	GCT	CTA	GTG	GCT	GAC	48
Thr	Arg	Ala	Leu	Val	Ala	Asp	
10					15		
GGT	TAT	GTC	TGT	GGA	GCT	GGG	96
Gly	Tyr	Val	Cys	Gly	Ala	Gly	
				30			
CTG	CAC	CAA	GCC	ATG	CGG	GCT	144
Leu	His	Gln	Ala	Met	Arg	Ala	
			45				
CGC	CGC	ACC	TTC	TCT	GAC	CTG	192
Arg	Arg	Thr	Phe	Ser	Asp	Leu	
		60					
TCA	GCC	CAG	CAA	CGC	TTC	ACC	240
Ser	Ala	Gln	Gln	Arg	Phe	Thr	
	75					80	
GGC	CCT	AAC	TGG	GGC	CGT	CTT	288
Gly	Pro	Asn	Trp	Gly	Arg	Leu	
90					95		
CTG	TGT	GCT	GAG	AGT	GTC	AAC	336
Leu	Cys	Ala	Glu	Ser	Val	Asn	
					110		

Fig. 9B (ii)

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APPROVED	DATE	BY	CLASS
	01.11.16.		DRAFTSMAN

Figure 1 consists of 12 histograms arranged vertically, each representing a different value of n from 10 to 120 in increments of 10. The x-axis for all histograms is labeled 'x' and ranges from 0 to 120. The y-axis is labeled 'count' and ranges from 0 to 100. The histograms show that as n increases, the distribution of the number of non-zero elements in the vector x becomes increasingly concentrated around zero. For $n=10$, the distribution is broad and low, with a peak count of approximately 10. As n increases, the peak at zero grows much taller, reaching a count of about 100 for $n=120$, while the spread of non-zero elements narrows.

AAG TG
Lys

Fig. 9B (iii)

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BY	SUBCLASS
DRAFTSMAN	

GTC CAG GAT TGG ATC GTG GCC 384
Val Gln Asp Trp Ile Val Ala
125

ATC CAC AGC AGT GGC GGC TGG 432
Ile His Ser Ser Gly Gly Trp
140

GGG	GCC	CTG	GAG	GAC	GCA	CGG	480
Gly	Ala	Leu	Glu	Asp	Ala	Arg	
	155					160	

GTG	AGC	ACA	GTG	GTG	ACG	GGG	528
Val	Ser	Thr	Val	Val	Thr	Gly	
170						175	

GTA	GGG	GCC	TTT	TTT	GCT	AGC	576
Val	Gly	Ala	Phe	Phe	Ala	Ser	
				190			

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Fig. 9B (iv)

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